

BIOACOUSTIC CORRECTION IN THE SYSTEM OF REHABILITATION OF THE NEUROTIC AND STRESS CONNECTED DISORDERS

L.V. Panchenko¹, O.A. Panchenko^{1,2}, T.E. Chumak¹

¹Rehabilitation & Diagnostic Center Ministry of Health of Ukraine, ²Donetsk National University by M. Gorky, Donetsk, Ukraine

By the methodology of bioacoustic correction (the BAC), on the basis of computer transformation, the representation of the parameters of bioelectrical activity of human brain has been transformed into the parameters of sound stimuli.

The objective of this research is to study the efficiency and the safety of the BAC method application in the system of rehabilitation neurotic and stress connected disorders. The sample has been given by patients with neurotic, stress connected and somatoform disorders (F40-F48 - 50 persons). The research has been implemented by the device "Sinhiro-S" (St.-Petersburg, the Russian Federation).

Prior to the beginning and upon termination of the correction, the assessment of psycho emotional condition of patients has been implemented by the means of methodology of subjective interrogation, psychological and psychophysiological testing. Therapy has included pharmacotherapy (antidepressant serotonin selective reuptake inhibitors, adaptogens, neurometabolic, nootropics); psychotherapy (rational, group, corporally-focused, hypnosuggestive, autogenic training); physiotherapy; the BAC. Subjective feelings of influence efficiency have been confirmed by the results of electrophysiological examination. During the therapy all the patients have had perception improvement of a sound image by the means of spectral characteristics reorganization of electroencephalogram and hereupon the new functional condition of the central nervous system has been created. Authentic improvement of quality life indicators have been observed too (vitality, quality of a dream, emotional reactions, physical activity).

Thereby, the bioacoustic correction method is modern, effective, safe, not medicamentous means of psychological infringements correction.